MEGALITE™

AXIS QD7

USER MANUAL

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Check that the unit has not been damaged during transport

Read all cautions and warnings prior to operation of this equipment

Protection Against Fire

Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured away from unit movement.
6. Maximum surface operating temperature 104º.

Protection Against Fire

Electrical

1. Disconnect power before lamp replacement or servicing.
2. For connection to main power supply proceed to page 6.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards

Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit risk of electrical shock.

Specifications

Part Numbers

Fixture	Lamp	Flight Case
1125- AXIS QD7	LOSRAM–12W RGBWLED	P-1125 DUALCASE

Mechanical Specifications

Pan: 540° **Tilt:** 270°

DMX Connectors: 3-pin and 5-pin XLR connectors

Thermal: Maximum ambient temperature 100° F
Maximum surface temperature 130° F

Fastening System: 1 Removable mount

Fixture	Packaged for Shipping
Size: 10.5" x 96.5 x 12.5" Weight: 12 lb	Size: 12.5" x 9" x 13.5" Weight: 13.5lb

Electrical Specifications

Power supply: Auto Switch100V-240V 50/60 HZ

Power consumption: Amps 1.45
Watts 106

Ballast: Electronic

LAMP: 7X 12W RGBW LED's

Electromechanical Effects

LED Control: Individual control of each LED

Shutter: Electronic Lamp strobe of lamp 18 flash per second

Main Power Connection

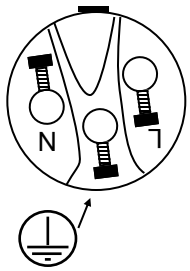
Caution!
1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.

This device is equipped with a auto switching power supply that will allow you to work from 100V-240V 50/60Hz

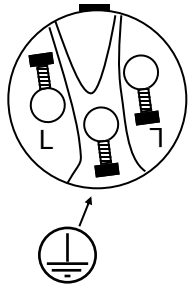
The occupation of the connection-cable is as follows:

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

110V Connec-



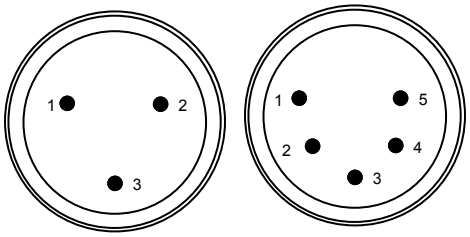
220V Connec-



DMX-512 Connection

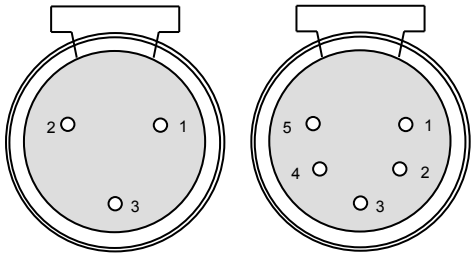
The fixture is equipped with 3 pin and 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



1. Shield
2. Signal (-)
3. Signal (+)
4. N/A
5. N/A

DMX—output



Caution!
At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin or 5 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

Rigging the fixture

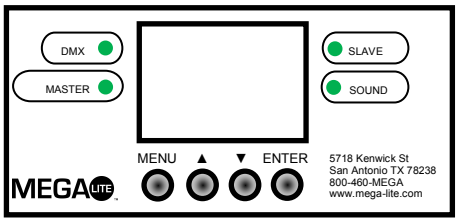
Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any damage. Installation should be checked at least one time a year by a skilled person.

Main Control

The control board on the fixture base is your interface to access and control all the functions on the unit. Its LED display gives you a code view of the options and functions. The following will explain each function and its options.



–DMX512– ADDR:001	This function allows you to set your DMX Start Channel. First make sure you have a proper DMX connection from your controller using the 3 or 5 pin XLR connection. If there is no DMX connection the display will flash and read No DMX ADDR:001. If there is proper DMX connection the display will be solid on and will read DMX 515, there will also be a Green indicator light that will turn on. To Set the DMX Start Channel press the ▲ then press **Enter.** Use the ▲ **or** ▼ to select the desired DMX Start Channel and press **Enter** to confirm your setting.

>Work Mod DMX 512	**DMX 512=** This mode will allow you to operate the fixture with a DMX controller **Auto=** This Function slows the unit to run a preset program **Sound=** On Sound Mode the fixture will trigger the preset program with the ambient audio sensitivity. To Set the Desired operational mode press the ▲ then Press **Enter.** Use the ▲ **or** ▼ to select the desired DMX Start Channel and press **Enter** to confirm your setting.

>Chan Mod 17CH		To set the desired operational channel mode press **Enter.** Use the ▲ **or** ▼ to select the desired DMX profile operational mode from 6,17 or 37 and press **Enter** to confirm your setting. Note: Operational mode are located on Page 8 of the manual.

>Tool DimmMod	>Display 60S	This function will give you access to the Display Control press **Enter.** Use the ▲ **or** ▼ to select the desired display operational Mode from turn off in 60 second or stay On, press **Enter** to confirm your setting.
	>DimmMod Smooth	This function will give you access to the LED Dimming curve press **Enter.** Use the ▲ **or** ▼ to select the LED dimming operational Mode from fast or smoth, press **Enter** to confirm your setting.

>PT Sett Xrevise	>Xrevise 000	If you wish to fine adjust your Pan extreme position press **Enter.** Use the ▲ **or** ▼ to select the desired Pan extreme position, press **Enter** to confirm your setting.
	>Yrevise 000	If you wish to fine adjust your Tilt extreme position press **Enter.** Use the ▲ **or** ▼ to select the desired Tilt extreme position, press **Enter** to confirm your setting.
	>Xreverse NO	To invert the Pan position press **Enter.** Use the ▲ **or** ▼ for yes or no to invert, press **Enter** to confirm your setting.
	>Xreverse NO	To invert the Tilt position press **Enter.** Use the ▲ **or** ▼ for yes or no to invert, press **Enter** to confirm your setting.
	>XYspeed fast	To adjust the speed of Pan & Tilt position press **Enter.** Use the ▲ **or** ▼ for slow, normal and fast, press **Enter** to confirm your setting.
	>XYfbsti yes	To adjust press **Enter.** Use the ▲ **or** ▼ for **Yes** or **No**, press **Enter** to confirm your setting.

>Control CH01		To access the control channels via display press **Enter.** Use the ▲ **or** ▼ to select the desired DMX Channel press **Enter** to access that function use the ▲ **or** ▼ to adjust the channel. Note: Operational Channels are located on Page 10 of the manual.

>DmxLive CH1		To view the status of every channel via display press **Enter.** Use the ▲ **or** ▼ to select the desired DMX Channel press **Enter** to view the channel status.

>RGBWhit WhitB		To adjust the white color balance Press **Enter**
	>WhiteSW on	If you wish to fine-tune the white color balance press **Enter** select **On** or **Off** press **Enter** to confirm your setting.
	>WhitR 255	To fine adjust the **Red** press **Enter.** Use the ▲ **or** ▼ to select the desired maximum intensity of the Red LED, press **Enter** to confirm your setting.
	>WhitG 255	To fine adjust the **Green** press **Enter.** Use the ▲ **or** ▼ to select the desired maximum intensity of the Green LED, press **Enter** to confirm your setting.
	>WhitB 255	To fine adjust the **Blue** press **Enter.** Use the ▲ **or** ▼ to select the desired maximum intensity of the Blue LED, press **Enter** to confirm your setting.

>Info Version	Press **Enter** to see the current software version

>Reset NO	To reset the fixture press **Enter.** Use the ▲ **or** ▼ for **Yes** or **No** press **Enter** to confirm your setting.

DMX Profile

Axis QD7 6 Ch Mode 1

1	Pan	Pan Course	0-255
2	Tilt	Tilt Course	0-255
3	LED Color	Red	0-255
4	LED Color	Green	0-255
5	LED Color	Blue	0-255
6	LED Color	White	0-255

Axis QD7 17 Ch Mode 2

DMX Channel	Function	Description	Value
1	Pan	Pan Course	0-255
2	Pan Fine	Pan Fine	0-255
3	Tilt	Tilt Course	0-255
4	Tilt Fine	Tilt fine	0-255
5	Pan/Tilt Speed	Fast	0-84
		Mid	85-170
		Slow	171-255
6	LED Color	Red	0-255
7	LED Color	Green	0-255
8	LED Color	Blue	0-255
9	LED Color	White	0-255
10	Shutter	Closed	0-31
		Strobe (slow to fast)	32-95
		Pulse (slow to fast)	96-159
		Random Strobe (slow to fast)	160-223
		Open	224-255
11	Dimmer	Dimmer off to full	0-255
12	Color Fade	Color Fade (slow to fast)	0-255
13	Color Preset	No Function	0-10
		White 2700K	11-20
		White 3200K	21-30
		White 4300K	31-40
		White 5600K	41-50
		White 6500K	51-60
		White 8000K	61-70
		Blue 1-Red 2,3,4,5,6,7	71-100
		Blue 1-Green 2,3,4,5,6,7	101-130
		Green1-Red 2,3,4,5,6,7	131-160
		Red1-Blue 2,3,4,5,6,7	161-190
		Green1-Blue 2,3,4,5,6,7	191-220
		Red1-Green 2,3,4,5,6,7	221-255
14	Strobe Macro	No Function	0-10
		Red Strobe (slow to fast)	11-20
		Green Strobe (slow to fast)	21-30
		Blue Strobe (slow to fast)	31-40
		White Strobe (slow to fast)	41-50
		All Strobe Chase (slow to fast)	51-60
		Random Strobe (slow to fast)	61-70
		No Function	71-100
		Red Strobe 2,3,4,5,6,7,(slow to fast)	101-130
		Green Strobe 2,3,4,5,6,7,(slow to fast)	131-160
		Blue Strobe 2,3,4,5,6,7,(slow to fast)	161-190
		White Strobe 2,3,4,5,6,7,(slow to fast)	191-220
		All Strobe 1,2,3,4,5,6,7,(slow to fast)	221-255

15	Macros	No Function	0-10
		Color Chase Macro 1	11-40
		Color Chase Macro 2	41-70
		Color Chase Macro 3	71-100
		Color Chase Macro 4	101-130
		Color Chase Macro 5	131-160
		Color Chase Macro 6	161-190
		Color Chase Macro 7	191-220
		Color Chase Macro 8	221-255
16	Macros Speed	Macro Speed (slow to fast)	0-255
17	Control	No Function	0-79
		All Motor Reset	80-99
		Demo Program 1	100-150
		Demo Program 2	151-200
		Demo Program 3	201-250
		No Function	251-255

Axis QD7 37 Ch Mode 3

1	Shutter	Closed	0-19
		Open	20-49
		Strobe (fast to slow)	50-64
		Open	65-69
		Open Pulse (fast to slow)	70-84
		Open	85-89
		Closing Pulse (fast to slow)	90-104
		Open	105-109
		Random Strobe (fast to slow)	110-124
		Open	125-129
		Random Open Pulse (fast to slow)	130-144
		Open	145-149
		Random Closing Pulse (fast to slow)	150-164
		Open	165-169
		Burst Pulse (fast to slow)	170-184
		Open	185-189
		Random Burst Pulse (fast to slow)	190-204
		Open	205-209
		Wave Strobe (fast to slow)	210-224
		Open	225-229
		Burst Strobe (fast to slow)	230-244
		Open	245-255
2	Dimmer	Dimmer	0-244
		Open	245-255
3	Pan	Pan	0-255
4	Pan Fine	Pan Fine	0-255
5	Tilt	Tilt	0-255
6	Tilt Fine	Tilt Fine	0-255
7	Pan/Tilt Speed	Pan/ Tilt Speed (fast to slow)	0-255
8	Control	Lamp Control	0-9
		Fixture Reset	10-14
		Lamp Control	15-248
		Single LED Control	249-255

9	Color	No Function	0-9
		Moroccan Pink	10-14
		Pink	15-19
		Rose Pink	20-24
		Follies Pink	25-29
		Fuchsia Pink	30-34
		Hot Pink	35-39
		Congo Blue	40-44
		Tokyo Blue	45-49
		Deep Blue	50-54
		Blue	55-59
		Medium Blue	60-64
		Double CT Blue	65-69
		State Blue	70-74
		Full CT Blue	75-79
		Half CT Blue	80-84
		Steel Blue	85-89
		Lighter Blue	90-94
		Light Blue	95-99
		Medium Blue Green	100-104
		Dark Green	105-109
		Primary Green	110-114
		Moss Green	115119
		Fern Green	120-124
		JAS Green	125-129
		Lime Green	130-134
		Spring Yellow	135-139
		Deep Amber	140-144
		Chrome Orange	145-149
		Orange	150-154
		Gold Amber	155-159
		Millennium Gold	160-169
		Flame Red	170-174
		White	175-179
		Color Fade Clockwise (fast to slow)	180-201
		Stop (will stop at last color)	202-207
		Color Fade Counter Clockwise (fast to slow)	208-229
		White	230-234
		Random Color (fast to slow)	235-249
		White	250-255
10	Red 1	Red Intensity 1	0-255
11	Green 1	Green Intensity 1	0-255
12	Blue 1	Blue Intensity 1	0-255
13	White 1	White Intensity 1	0-255
14	Red 2	Red Intensity 2	0-255
15	Green 2	Green Intensity 2	0-255
16	Blue 2	Blue Intensity 2	0-255
17	White 2	White Intensity 2	0-255

18	Red 3	Red Intensity 3	0-255
19	Green 3	Green Intensity 3	0-255
20	Blue 3	Blue Intensity 3	0-255
21	White 3	White Intensity 3	0-255
22	Red 4	Red Intensity 4	0-255
23	Green 4	Green Intensity 4	0-255
24	Blue 4	Blue Intensity 4	0-255
25	White 4	White Intensity 4	0-255
26	Red 5	Red Intensity 5	0-255
27	Green 5	Green Intensity 5	0-255
28	Blue 5	Blue Intensity 5	0-255
29	White 5	White Intensity 5	0-255
30	Red 6	Red Intensity 6	0-255
31	Green 6	Green Intensity 6	0-255
32	Blue 6	Blue Intensity 6	0-255
33	White 6	White Intensity 6	0-255
34	Red 7	Red Intensity 7	0-255
35	Green 7	Green Intensity 7	0-255
36	Blue 7	Blue Intensity 7	0-255
37	White 7	White Intensity 7	0-255

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) Mechanically moved parts like axles and other must not show any traces of wearing and must not rotate with unbalances.
4) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Disconnect from mains before starting maintenance operation!

Electrical

Caution Danger to life!

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!
1) The objective lens will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
2) The cooling-fans should be cleaned monthly. DO NOT blow high pressure air into fans as incorrect rotation can damage the fans operation.
3) The lenses may be cleaned with soft brush using soapy water.
4) The interior of the fixture should be cleaned using a vacuum.
5) We recommend proper lubrication of the motor wheel. The quantity of the oil must not be excessive in order to avoid oil run outs when motor wheel rotates

Note: There is no serviceable parts inside the device except for the fuse. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers only

Should you have further questions , please contact your dealer.

Parts List

P-1125	4 Axis QD7 Case
1125-LEDMOD	LED Module
1125-PS	Power Supply
1125-DR	LED Driver
1125-MPCB	Main PCB/ Display Card
1125-FAN	Fan 60mm
1125-CM	Clamp Mount
1125-PTS	Pan & Tilt Sensor

1125-HANB	Handle Set
1125-ARMB	Arm Body Set
1125-DISB	Display Body Set
1125-HEADB	Head Body Set

Warranty Information

Warranty Conditions

• Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.
• LEDs are not guaranteed to match in color temperature or output.
• It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.
• GOODS RETURNED UNDER WARRANTY MUST FOLLOW THE PROPER AUTHORIZATION PROCEDURE AND MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL INVOICE
• Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment
• REPAIR OR REPLACEMENT AS PROVIDED FOR UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MEGA SYSTEMS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO ANY PRODUCT, AND MEGA SYSTEMS SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MEGA SYSTEMS SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE, INCLUDING LOST PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT SUCH DAMAGE WAS FORESEEN OR UNFORESEEN.
• Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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